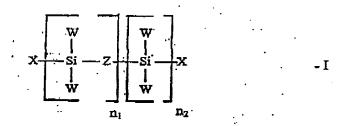
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Amendments to the Claims:

- 1. (Cancelled)
- 2. (Currently amended) The <u>process</u> copolymer of <u>claim 21</u> claim 1 wherein said silicone polymer is a polysilane of the Formula I:



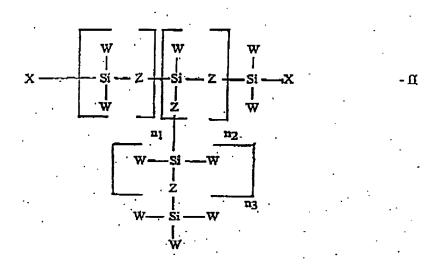
wherein X is an organic end group, W is an organic or inorganic group, with X and W being selected such that the polysilane contains at least two Si-H groups and sufficient to provide a branched structure, Z is oxygen, and n_1 and n_2 are the number of repeating groups in the chain.

3. (Currently amended) The <u>process</u> copolymer of claim 2 wherein said polysilane of formula I is a polyhydrosiloxane of the formula:

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4. (Currently amended) The <u>process</u> copolymer of <u>claim 21</u> claim 1 wherein said silicone polymer is a polysilane of the Formula II:

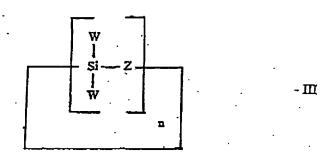


wherein X is an organic end group, W is an organic or inorganic group, with X and W being selected such that the polysilane contains at least two Si-H groups and sufficient to provide a branched structure, \underline{Z} is oxygen, and n_1 , n_2 and n_3 are the number of repeating groups in the chain.

5. (Currently amended) The <u>process</u> copolymer of claim 4 wherein said polysilane of Formula II is a branched polyhydrosiloxane of the formula:

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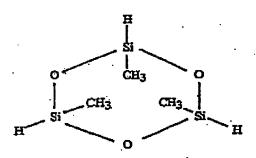
6. (Currently amended) The <u>process</u> copolymer of <u>claim 21</u> claim 1 wherein said silane polymer is a polysilane of the formula III:



wherein W is an organic or inorganic group selected such that the polysilane contains at least two Si-H groups and sufficient to provide a branched structure, <u>Z</u> is oxygen, and n is the number of repeating groups in the chain.

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7. (Currently amended) The <u>process</u> copolymer claim 6 wherein said polysilane is a cyclic polyhydrosiloxane of the formula:



- 8. (Cancelled)
- 9. (Cancelled)
- 10. (Currently amended) A branched [[The]] copolymer of polypropylene (PP) and methylhydrosiloxane-dimethylsiloxane random copolymer (MDMS) produced by melt phase hydrosilylation, wherein the ratio of PP to MDMS is such that the polymer contains free Si-H groups, said copolymer being elaim 9 which is coupled, through free Si-H groups, to an inorganic filler, inorganic surface, a hydroxy-containing polymer, vinyl-containing polymer or other polymer containing functional groups reactive with free Si-H.
- 11. (Original) The copolymer of claim 10 wherein said coupling is effected by a hydrosilylation reaction or a dehydrogenerative coupling reaction.
- 12. (Currently amended) A branched [[The] copolymer of polypropylene (PP) and methylhydrosiloxane-dimethylsiloxane random copolymer (MDMS) produced by melt phase hydrosilylation, wherein the ratio of PP to MDMS is such that the

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polymer contains free Si-H groups and claim 9 wherein the free Si-H groups are cross-linked.

- 13. (Previously presented) The copolymer of claim 12 wherein free Si-H groups are converted into a Si-OH group by a metal-catalyzed reaction with water and subsequently dehydrogenatively coupling to a second Si-H group.
- 14. (Original) The copolymer of claim 12 wherein Si-H groups are reacted by dehydrogenative coupling.
- 15. (Currently amended) A branched [[The]] copolymer of polypropylene (PP) and a methylhydrosiloxane-dimethylsiloxane random copolymer (MDMS) produced by melt phase hydrosilylation, claim 8 which is coupled to metallic, glass, ceramic or other vitreous surface.
- 16. (Cancelled)
- 17. (Cancelled)
- 18. (Original) A process of forming a branched polypropylene, which comprises effecting melt phase hydrosilylation of a terminally-unsaturated polypropylene in the presence of a methylhydrosiloxane-dimethylsiloxane random copolymer (MDMS).
- 19. (Original) A process of forming a branched polypropylene, which comprises:
 effecting hydrosilylation at a vinyl end of polypropylene with a
 trialkoxysilane to form a functionalized polymer, and

thereafter effecting post-reaction branching of the functionalized polymer by reacting Si-OR groups to form a Si-O-Si bridge.

20. (Cancelled)

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21. (Previously presented) A process of forming a branched copolymer, which comprises:

treating a polyolefin with peroxide to provide terminal unsaturation,

and

reacting the terminally-unsaturated polyolefin with a silicone polymer containing at least two Si-H groups in a melt phase reactive extrusion hydrosilylation reaction.

- 22. (Previously presented) The process of claim 21 wherein said polyolefin is polypropylene.
- 23. (New) The process of claim 18 wherein the ratio of polypropylene to methylhydrosiloxane-dimethylsiloxane random copolymer is such that the polymer contains free Si-H groups.
- 24. (New) The process of claim 23 wherein said copolymer is coupled, through free Si-H groups, to an inorganic filter, inorganic surface, a hydroxyl-containing polymer, vinyl-containing polymer or other polymer containing functional groups reactive with free Si-H.
- 25. (New) The process of claims 24 wherein said coupling is effected by a hydrosilylation reaction or a dehydrogenerative coupling reaction.
- 26. (New) The process of claim 23 wherein the free Si-H groups are cross-linked.
- 27. (New) The process of claim 26 wherein free Si-H groups are converted into a Si-OH group by a metal-catalyzed reaction with water and subsequently dehydrogenatively coupling to a second Si-H group.
- 28. (New) The process of claim 26 wherein Si-H groups are reacted by dehydrogenative coupling.

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29. (New) The process of claim 18 wherein said copolymer is coupled to metallic, glass, ceramic or other vitreous surface.